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national congress on school hygiene. 12th Annual Meeting.

## ANNOUNCEMENT OF THE PROGRAM COMMITTEE

# FOURTH INTERNATIONAL CONGRESS ON SCHOOL HYGIENE

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## TENTATIVE SCHEDULE OF PAPERS

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BUFFALO, NEW YORK, U. S. A.  
AUGUST, 25-30, 1913

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EDITION OF JUNE, 1913

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# FOURTH INTERNATIONAL CONGRESS ON SCHOOL HYGIENE

BUFFALO, NEW YORK, U. S. A., AUGUST 25-30, 1913

Under the Patronage of  
Mr. Woodrow Wilson, President of the United States

## PRESIDENT

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DR. H. M. BRACKEN, Secretary and Executive Officer, Minnesota State Board of Health.

HIS EMINENCE, JAMES CARDINAL GIBBONS, Archbishop of Baltimore.

\*DR. ANDREW S. DRAPER, Commissioner of Education, State of New York.

PHILANDER P. CLAXTON, A.M., Litt.D., United States Commissioner of Education.

DR. THEOBALD SMITH, Professor of Comparative Pathology, Harvard Medical School, Boston, Mass.

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DR. HENRY R. HOPKINS, Professor Emeritus of Hygiene, University of Buffalo, Representing Buffalo Academy of Medicine.

SIR JAMES GRANT, M.D., K.C.M.G., Ottawa.

DR. WOODS HUTCHINSON, Representing National Education Association.

DR. M. URIBE Y TRONCOSO, Chief, Department of School Hygiene, Mexico, D. F.

DR. W. G. EBERSOLE, D.D.S., M.D., Representing National Mouth Hygiene Ass'n.

## SECRETARY-GENERAL

DR. THOMAS A. STOREY, Professor of Hygiene, College of the City of New York, New York City, U. S. A.

## TREASURER-GENERAL

JOHN H. LASCELLES, Vice-President, Marine National Bank, Buffalo, New York, U. S. A.

## EXECUTIVE COMMITTEE

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HAROLD J. BALLIETT, City Clerk, Buffalo, N. Y.

DR. FRANCIS E. FRONCZAK, Commissioner of Health, Buffalo, N. Y.

DR. DAVID L. EDSALL, Jackson Professor of Clinical Medicine, Harvard Medical School, Boston, Mass.

DR. ROBERT W. LOVETT, Assistant Professor of Orthopedic Surgery, Harvard Medical School.

JOHN H. LASCELLES, Vice-President, Marine National Bank, Buffalo, New York, U. S. A.

HENRY P. EMERSON, Superintendent of Education, Buffalo, N. Y.

JOSEPH LEE, Boston, Mass.

DR. LUTHER H. GULICK, New York City.

DR. THOMAS A. STOREY, Secretary.

NOTE.—Corrections should be addressed to THOMAS A. STOREY, Secretary-General, Fourth International Congress on School Hygiene, College of the City of New York, New York City.

\* Deceased.

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## ANNOUNCEMENT OF THE PROGRAM COMMITTEE

I. The program committee is particularly anxious that the papers presented at this Congress shall deal largely with results secured through the practical application of scientific facts and procedures of school hygiene, and with the results of scientific investigation and laboratory research. Teachers, investigators, physicians, dentists, sanitarians and public-spirited citizens who have evidence showing that the school hygiene under their observation has been effective and of real service, or who can present scientific facts proven by their labors, will be welcome contributors.

II. The committee is further anxious to secure papers relating to Rural School Hygiene and Village School Hygiene as well as to City School Hygiene. The problems of the city schools have received a great deal of much deserved attention. The very serious problems of the village school and the rural school have received but little attention. The study and the solution of these problems are of obvious complexity and importance.

III. The following rules have been established by the program committee:

1. The official languages of this Congress shall be English, French, German, Spanish and Italian.

2. Papers must be limited to fifteen minutes in presentation.

3. Manuscripts submitted for publication in the Proceedings must not exceed three thousand words.

4. Time will be assigned on each program for the open discussion of groups of related papers.

5. Individuals participating in the open discussion may be limited to three minutes each, and such discussion may be determined at the discretion of the presiding officer. This rule is laid down for the purpose of enabling the presiding officer to put his schedule through on time. Preliminary abstracts will not be published.

6. Authors are requested to send in their manuscripts early. All such manuscripts must be in the hands of the Secretary-General by July 1, 1913.

7. The Program Committee reserves the right to reject any contribution which for any reason it feels should not be accepted.

8. Papers will not be read in absentia, but such papers may be published in the Proceedings.

9. Exceptions to these rules may be made only with permission from the Program Committee.

IV. The Program will be organized into sections, as follows: These sections will be subdivided whenever such division appears to be desirable.

Section 1. "THE HYGIENE OF SCHOOL BUILDINGS, GROUNDS, MATERIAL EQUIPMENT AND UP-KEEP." This section will include papers on topics related to the location, plan, construction, equipment and up-keep of city, village and rural schools, open-air schools, private schools, boarding schools, summer camps and special schools for backward, truant, delinquent, deficient, defective and deformed children, *i. e.*, site, architecture, decoration, ventilation, illumination, cleaning system, plumbing, toilets, sewage disposal, school furniture, school books, water supply, drinking facilities, bathing facilities, swimming pools, school grounds, school athletic fields, fields for games, sport and play, lunch rooms and equipment, gymnasium, social rooms, rest rooms, libraries, laboratories, class rooms, study rooms and lecture rooms.

Section 2. "THE HYGIENE OF SCHOOL ADMINISTRATION, CURRICULUM AND SCHEDULE." This section will include all topics concerned with the hygienic factors found in school administration, curriculum and schedule as they apply to country, village and city schools; and to the modifications necessary for the best interest of our various special schools. Papers on such subjects as the following would belong to this section: Hygiene of the teacher; hygiene of the child; hygiene of the janitor and other school employees; hygiene of the schedule, growth and age; school fatigue; need for and management of school lunches and school baths; influence of the seasons; study periods; home work; recesses; vacations; athletics; the problems of heredity in

relation to school hygiene; overcrowding; the teaching of hygiene; the training of teachers of hygiene; special phases of hygiene: as personal hygiene; oral hygiene; preventive hygiene; educational hygiene; community hygiene; sex hygiene; play; physical education; domestic hygiene; puericulture, and first aid; special plans for and results from the instruction of backward children, truant, delinquent and crippled children; the economics of school hygiene; relation to the home.

Section 3. "MEDICAL, HYGIENIC AND SANITARY SUPERVISION IN SCHOOLS." This section will receive papers on the management, operation and results of medical, hygienic and sanitary supervision in public, private and special, country, village and city schools, colleges, universities and professional schools.

Such subjects as the following will be included: The control of health inspection; sanitary supervision; the organization of health departments in schools; the relationship to the board of health; the equipment, training and compensation of school physicians; school nurses; school clinics; relation of health supervision in the schools to the practice of the physician, the dentist, and the hospital; relation of medical and hygienic supervision in the schools to health supervision in the home; standardization of examinations; sanitary supervision of school rooms (class rooms), locker rooms, swimming pools, toilets, school books and school furniture; supervision of disease carriers; prevention of epidemics; follow up methods and results; medical inspection and treatment; standardization of records.

#### V. SCHEDULE:

MONDAY, AUGUST 25, 1913:  
10:30 A.M. Opening meeting.  
2:00 P.M. Section meetings.  
8:00 P.M. Reception.

TUESDAY, AUGUST 26, 1913:  
9:00 A.M. Section meetings.  
2:00 P.M. Entertainment.  
8:00 P.M. Open meeting.

WEDNESDAY, AUGUST 27, 1913:  
9:00 A.M. Section meetings.  
2:00 P.M. Section meetings.  
8:00 P.M. Entertainment.

THURSDAY, AUGUST 28, 1913:  
9:00 A.M. Section meetings.  
2:00 P.M. Entertainment.  
8:00 P.M. Open meeting.

FRIDAY, AUGUST 29, 1913:  
9:00 A.M. Section meetings.  
2:00 P.M. Section meetings.  
8:00 P.M. Open meeting.

SATURDAY, AUGUST 30, 1913:  
9:00 A.M. Section meetings.  
2:00 P.M. Entertainment.

#### VI. PROGRAM COMMITTEE:

Dr. ROBERT W. LOVETT

Dr. DAVID L. EDSELL

Dr. LUTHER H. GULICK

Dr. THOMAS A. STOREY

College of the City of New York,  
New York City, U. S. A.

## SECTION I

### The Hygiene of School Buildings, Grounds, Material, Equipment and Up-Keep

*Session One—Room A. Monday, August 25th, 2:00 P.M.*

#### SCHOOL BUILDINGS AND THEIR EQUIPMENT

- LINNÆUS NEAL HINES, Superintendent of Schools, Crawfordsville, Indiana. "Some American School Rooms."
- LAWRENCE T. PRICE, Member Richmond School Board, 18 Franklin Building, Richmond, Va. "The Modern School Building from a Sanitary and Hygienic Viewpoint."
- M. K. HAOKONSON-HANSEN, Head Master in the Common School, Trondhjem, Norway. "School Houses in Norway."
- A. J. SCHREUDER, M.D., Director of Medical Pedagogical Institute, Arnhem, Netherlands. "Hygienic Conditions of School Buildings in the Netherlands."
- WALTER H. KILHAM, Architect, 9 Park Street, Boston, Mass. "Sanitary and Hygienic Principles That Should Control the Architecture of School Buildings."
- FRANK IRVING COOPER, President Boston Society "Heating and Ventilating Engineers," 89 Franklin Street, Boston, Mass. "The Planning of School Houses Against the Fire Hazard."
- WILLIAM T. TOWNER, Architect, 320 Fifth Avenue, New York. "Modern Methods of Sewage Disposal in Rural, Country and City Schools."
- WILLIAM H. BRAINERD, Architect, 89 Franklin Street, Boston, Mass. "Sanitary Considerations that Should Operate in Selecting a Proper Site for a Rural, City or Country School Building."

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NOTE.—Corrections should be addressed to THOMAS A. STOREY, Secretary-General, Fourth International Congress on School Hygiene, College of the City of New York, New York City.

MELVIN G. OVERLOCK, M.D., State Inspector of Health, Worcester, Mass. "One Urgent Need of Proper System of Ventilation in School Buildings."

WILLIAM GRAY SWANK, M.D., City Health and Sanitary Officer, Crawfordsville, Ind. "Sanitation of the Consolidated Country School."

*Session Two—Room A. Tuesday, August 26th, 9:00 A.M.*

### OPEN AIR SCHOOLS

FRANKLIN W. BARROWS, M.D., A.B., A.M., Medical Inspector of Schools, Buffalo, N. Y. "Open Air Schools in Buffalo."

JOHN V. VAN PELT, Architect, 381 Fourth Avenue, New York, N. Y. "The Architecture of Open Air Schools."

JOHN F. BRANNAN, M.D., 11 West 12th Street, New York, N. Y. "Fresh Air Schools in New York City."

MARY D. BRADFORD, Mrs., Superintendent of Schools, Kenosha, Wis. "The Open Air School in the Public School System of Wisconsin."

GEORGE JENKINS HOLMES, M.D., Supervisor of Medical Inspection, Newark, N. J. "The Results of Open Air Treatment in Public Schools in Newark, N. J."

B. U. RICHARDS, M.D., Superintendent of Public Schools, Pawtucket, R. I. "Window Ventilation in Pawtucket."

JOHN B. TODD, M.D., 740 Beach Street, Syracuse, N. Y. "Open Air Schools of Syracuse."

HAROLD BROWN KEYES, M.D., 70 Morningside Drive, New York. (Title to be chosen later.)

*Session Three—Room A. Wednesday, August 27th, 9:00 A.M. to 12:00 M. and 2:00 P.M. to 5:00 P.M.*

### VENTILATION, HEAT AND ILLUMINATION

CHARLES H. KEENE, A.B., M.D., Supervisor of Hygiene and Physical Training, Minneapolis, Minn. "The Effect of Conditions of School Room Heating and Ventilating on School Attendance."

JULIUS BRANDAU, M.D., Kassel, Germany. "The Effect of Cold Extremities on the Intellectual Activity of School Children."

- THEODORE HOUGH, Ph.D., Professor of Physiology, University of Virginia, Charlottesville, Va. "Some Aspects of the Problem of Ventilation."
- HERBERT M. HILL, Ph.D., City Chemist, Buffalo, N. Y. "The Ventilation of School Buildings."
- R. D. KIMBALL, Consulting Engineer, 15 West 38th Street, New York, N. Y. "Some Phases of Ventilation."
- LUTHER H. GULICK, M.D., 118 East 28th Street, New York, N. Y. "Re-circulation and Ventilation."
- MILTON W. FRANKLIN, A.M., M.D., Manager Ozone Department, General Electric Company, 527 West 34th Street, New York, N. Y. "Ozone in Ventilation."
- WHIPPLE, GEORGE C., Professor Harvard University, Cambridge, Mass., and
- WHIPPLE, MELVILLE C., Harvard University, Cambridge, Mass. "Primary Studies on Air Washing and Its Results." (Joint Paper.)
- C. E. A. WINSLOW, M.S., Associate Professor Biology, College of the City of New York; Curator of Public Health, American Museum of Natural History, New York, N. Y. "Studies of Air Conditions in the New York Schools."
- J. H. McCURDY, Young Men's Christian Association College, Springfield, Mass. "Ventilation."
- GEORGE FITZ, M.D., Peconic, L. I., N. Y. "The Practical Methods of Testing Light in School Rooms, With a Demonstration of the Photometer for Lighting Tests in School and Work Rooms."
- W. L. COFFEY, Bachelor of Pedagogy, School Commissioner, Cheboygan Co., Cheboygan, Mich. "Rural School Illumination."

*Session Four—Room A. Friday, August 29th, 2:00 P.M.*

**SYMPOSIUM ON "SCHOOL ILLUMINATION,"**

Arranged by the Illuminating Engineering Society

G. B. NICHOLS, *Chairman of Committee on Synopsis.*

- G. B. NICHOLS, Consulting Engineer, 15 West 38th Street, New York, N. Y., and
- C. L. LAW, 124 East 42d Street, New York, N. Y. "Present Methods of School House Lighting." (Joint Paper.)

- JAMES KERR, M.D., London County Council, London England.  
"The Illumination of the Class Room."
- B. B. HATCH, 180 Boylston Street, Boston, Mass. "School House  
Lighting in General, from the Standpoint of an Engineer."
- E. L. ELLIOTT, 489 Fifth Avenue, New York, N. Y. "Illumi-  
nating Primer."
- E. M. ALGER. "On the Relation of Illumination to Ocular Hy-  
giene."
- FRANCIS H. GILPIN, Philadelphia, Pa. "Gas Installation of  
School Lighting."
- M. LUCKIESCH, Research Physicist, Cleveland, Ohio. "Glare  
from Paper."

## SECTION II

### The Hygiene of School Administration, Curriculum and Schedule

*Session Five—Room B. Monday, August 25th, 2:00 P.M.  
and Tuesday, August 26th, 9:00 A.M.*

### STATUS OF SCHOOL HYGIENE AND METHODS OF INSTRUCTION IN CITY, VILLAGE, AND COUNTRY SCHOOLS

- GEORGES DAUMEGON, B.S., Director of Health, Narbonne, France. "L'Hygiène scolaire dans l'enseignement secondaire en France." (To be read by title.)
- R. H. CROWLEY, M.D., Board of Education, Whitehall, England. "The Present Position of the School Hygiene Movement in England."
- GEORGE L. LESLIE, B.S., M.A., Director of Department of Health and Development, Los Angeles City Schools, Los Angeles, Cal. "The California Plan for Departments of Educational Hygiene in the Public Schools."
- T. D. WOOD, M.D., Professor of Physical Education, Teachers' College, New York, N. Y. "The Sanitation of the Rural School."
- A. T. McCORMACK, M.D., State Board of Health, Bowling Green, Ky. "Health, a Rural School Problem."
- O. R. BOWEN, Ph.B., A.M., Superintendent of Schools, West Point, Nebraska. "The Status of Medical Inspection of Schools in Nebraska." (To be read by title.)
- GEORGE A. MIRICH, A.B., A.M., Assistant Commissioner of Education, Department of Public Instruction, Trenton, N. J. "State Program of Hygiene Education in New Jersey."
- EUGENE H. PORTER, M.D., Commissioner of Health of State of New York, Albany, N. Y. "State Responsibility for Health of School Children."

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Secretary-General, Fourth International Congress on School Hygiene,  
College of the City of New York, New York City.

- R. L. DIXON, M.D., A.B., Secretary and Executive Officer, Michigan State Board of Health, Lansing, Mich. "Relation of the State Board of Health to the Rural School."
- BURTON S. TEFFT, Commissioner of Schools, Saginaw, Mich. "Rural School Hygiene in Michigan."
- ERNEST BRYANT HOAG, A.M., M.D., Director of School Hygiene, Minnesota State Board of Health, St. Paul, Minn. "Observations of State Director of School Hygiene."
- SUZIE V. POWELL, Supervisor of School Improvement, Jackson, Miss. "Hygiene in Rural Schools of Mississippi."
- ALLEN W. FREEMAN, M.D., Assistant Commissioner of Virginia State Board of Health, Richmond, Va. "A Study of Sanitary Conditions in the Rural Schools of Virginia."
- H. D. HOLTON, A.M., M.D., President of the Austine Institute for the Education of the Deaf and Dumb, Brattleboro, Vt. "Sanitation of the Rural School House in the State of Vermont."
- WALTER E. LARSON, State Rural School Inspector, Madison, Wis. "Hygienic Improvements in the Rural Schools of Wisconsin."
- H. R. HEIDELBERG, Superintendent of Schools, Clarksdale, Miss. "School Hygiene as Taught in the Clarksdale City Schools." (To be read by title.)
- N. K. FOSTER, M.D., Director of Department of Health and Sanitation, Oakland, Cal. "Oakland System of Health Inspection of Schools and the Results."
- OTIS B. NESBIT, Ph.G., M.D., School Physician, Valparaiso, Ind. "Health Supervision of Public School Children at Valparaiso."
- J. L. LUDLOW, C.E., M.S., President Winston-Salem Board of Trade, Member and Consulting Engineer, State Board of Health, Winston-Salem, N. C. "A Practical Method of Promoting School Hygiene in Small Cities."
- JAMES H. MORRISON, A.M., M.D., Health Commissioner, Hartsville, Ind. "The Evolution of Hawk Creek Township." It will deal with country schools.
- JOHN T. CALHOUN, B.A., County Superintendent of Education, Collins, Miss. "Opportunity of County Superintendent in Fight Against Hookworms."
- DAVID SPENCE HILL, Ph.D., Professor of Psychology and Education of the Newcomb School of Education, H. Sophie Newcomb Memorial College, Tulane University, New Orleans, La. "A Successful Plan for Cooperation in Edu-

cational Hygiene Between Municipal School Authorities and Medical, Educational and Psychological Departments of a University."

PHILANDER P. CLAXTON, Am.Litt.D., LL.D., Commissioner of Education of the United States, Washington, D. C. "Health as a Factor in Education."

ELEANOR EVERHARD, M.D., Committee for Public Health Education of the American Medical Association, Dayton, Ohio. "The Relation to School Hygiene of the American Medical Association Work for Public Health Education."

THOMAS, E. FINEGAN, Pd.D., LL.D., Third Assistant Commissioner of Education, State of New York. "The Medical Inspection of Public Schools in New York State."

ALICE FLORER, County Superintendent of Schools, York Co., Nebraska. "One Status of Hygiene in the Schools of York County, Nebraska."

DR. A. J. McLAUGHLIN, Surgeon U. S. P. H. S. "School Hygiene in the Philippines."

MARY ELIZABETH BATES, M.D., Denver, Colo. "Operation of the Colorado (Bates) Law for the Examination and Care of Public School Children."

CLINTON P. McCORD, Medical Inspector of Schools, Board of Education, Albany, N. Y. "Health Direction in the Public Schools."

## STATUS OF HYGIENE IN WOMEN'S COLLEGES

ANNA JANE McKEAG, Ph.D., President Wilson College, Chambersburg, Pa. "Methods in Use in Colleges for Women for the Maintenance and Advancement of the Health of Students."

AMY MORRIS HOMANS, M.A., Director of Hygiene and Physical Education, Wellesley College, Wellesley, Mass. "Some Problems in the Administration of a Department of Hygiene and Physical Education in a Woman's College."

ELIZABETH L. MARTIN, M.D., Adviser of Women and Medical Examiner in University of Pittsburgh, Pittsburgh, Pa. "The Conservation of Nervous Energy of Our More Advanced Women Students."

*Session Six—Room B. Wednesday, August 27th, 9:00 A.M.  
and 2:00 P.M.*

## INSTRUCTION IN HYGIENE

- LEE FRANKEL, Ph.D., Sixth Vice-President Metropolitan Life Insurance Company, 1 Madison Avenue, New York. "Education of School Children in the Principles of Hygiene."
- WILLIAM J. TRACEY, M.D., Health Officer, Norwalk, Conn. "Preventive Medicine Should be Taught in Our Schools."
- LILLIAN M. TOWNE, First Assistant Director Practice and Training, Boston, Mass. "Possibilities in the Teaching of Hygiene."
- FRED. M. GREGG, A.M., M.S., Professor of Physiological Science and Educational Theory, State Normal School, Peru, Neb. "Teaching Hygiene as Nature Study."
- E. G. ROUTZAHN, Department of Surveys and Exhibits, Russell Sage Foundation, 31 Union Square, New York, N. Y. "The Use of Graphic Material and Outside Non-Educational People for the Instruction of School Children to Special Phases of Hygiene."
- JOHN R. MOHLER, V.M.D., A.M., Chief of Pathological Division, Bureau of Animal Industry, U. S. Department of Agriculture, Washington, D. C. "Instruction Concerning the Inspection of Food Animals and Animal Foods."
- B. H. RAWL, B.S., Chief Dairy Division, Bureau of Animal Industry, U. S. Department of Agriculture, Washington, D. C. "Instruction in the Schools Concerning Sanitary Milk."
- GEORGE H. SHAW, Sanitary Engineer Bureau of Animal Industry, U. S. Department of Agriculture, Washington, D. C. "School Instruction Concerning Sanitary Conditions in Interstate Meat Packing Establishments."
- C. F. HODGE, M.D., Clark University, Worcester, Mass. "Learning Disease Prevention in School. The House Fly as a Practical Lesson."
- M. CACACE, M.D., Professor Pediatry, Royal University, Naples. Member Correspondent of the Royal Institute of Encouragement of Naples, Director Nipio-Hygienic Institute of the Anti-Malarial Educative Station of Naples and Capua, Naples, Italy. "Anti-Malarial Education and Malarial Prophylaxis in Italian Schools During 1910-1911."

- FRANK KIERNAN, Self-Government Committee, 2 Wall Street,  
New York, N. Y. "School Hygiene Made Effective  
Through Self-Government."
- G. W. HUNTER, A.B., A.M., Head of Department of Biology,  
De Witt Clinton High School, 59th Street and Tenth  
Avenue, New York City. "An Experiment in Student  
Aid in Sanitation and Hygiene."
- RICHARD HENRY WATKINS, Superintendent of City Schools,  
Laurel, Miss. "Hygienic and Sanitary Teaching in Negro  
Schools."
- MACLEOD YEARDSLEY, M.D., Cavendish Square, England.  
"Progress in British Deaf Schools." (To be read by title.)
- DR. PAUL RADOSAVLJEVICH, Ph.D., Assistant Professor Experimental  
Pedagogy, New York University. "Experimental  
Pedagogy and School Hygiene in Mostar."
- ARTHUR VERNER, A.B., Superintendent of High and City Schools,  
Pontiac, Ill. "The Relation of Some Problems of Child  
Hygiene to Education."
- GEORGE E. SMITH, M.D., Department of Public Instruction,  
Buffalo, N. Y. "Questions of Hygiene Peculiar to the  
Evening School."
- ROBERT N. WILLSON, M.D., Philadelphia, Pa. "An Outline  
Program for the Teaching of Sex Hygiene in the  
Schools."

*Session Seven—Room A. Friday, August 29th, 2:00 P.M.*

#### FATIGUE AND NERVOUSNESS IN SCHOOL CHILDREN

- FREDERICK LORENTZ, M.D., Berlin, Germany. "The Biological  
Bases for Fatigue of School Children."
- H. GRIESBACH, Professor and University Docent, Mülhausen,  
Alsace, Germany. "Brain Localization and Fatigue."
- TH. ALTSCHUL, M.D., Prague, Bohemia. "Die geistige Ermü-  
dung der Schulkinder und die Ermüdungsmessungen."  
(To be read by title.)

MARX LOBSIEN, M.D., Kiel, Germany. "The Effects of Weichardt's Antikenatoxin on the Intellectual Capacity of the Pupils." (To be read by title.)

WEICHARDT, WOLFGANG, M.D., Professor University of Erlangen, Director of Bacteriological Research, Erlangen, Germany. "Recent Researches in Chemistry in Their Relation to School Hygiene."

LEO DE KENTLORENC LIEBERMANN, M.D., Aulic Counsellor, Professor ord. Publ. Hygiene in the University, Hygienic Royal Institute University, Budapest, Hungary. "Overburdening in Higher Schools."

D. P. MACMILLAN, M.D., Board of Education, Chicago, Ill. "The Influences of the Curriculum and the Daily Program on the Nervous Energy and Development of the Pupil."

HUBER WILLIAM HURT, B.S., A.M., LL.D., President Lombard College, Galesburg, Ill. "The Hygiene of School Programs."

E. HERMAN ARNOLD, M.D., Instructor Orthopedic Surgery, Yale University, Director New Haven Normal School of Gymnasium, New Haven, Conn. "The Effects of School Work on Menstruation."

GILBERT DE WITT WILCOX, M.D., Lecturer on Surgery, Boston School of Medicine, Boston, Mass. "The Physical Effects of Written Examinations Upon Young School Children."

MARY CRAHAN, Teacher of Speech Improvement, New York, N. Y. "The Development of Plans for the Correction of Stuttering and Stammering in the Public Schools."

*Session Eight—Room C. Wednesday, August 27th, 2:00 P.M., and Thursday, August 28th, 9:00 A.M.*

#### MENTAL HYGIENE

WILLIAM H. BURNHAM, Ph.D., Professor Pedagogy and School Hygiene, Clark University, Worcester, Mass. (a) "Mental Hygiene in the School." (b) "Some Principles of Mental Hygiene."

F. H. PIKE, M.D., Assistant Professor Physiology, College of Physicians and Surgeons, 437 West 59th Street, New

York, N. Y. "The Nervous Mechanism of Learning and of Habit Formation."

JAMES W. PUTNAM, M.D., 525 Delaware Avenue, Buffalo, N. Y.  
"Motor Training and Its Relation to a Healthy Nervous System."

W. T. WATSON, M.D., Baltimore, Md. "The Distraction of Noise."

SIMON R. KLEIN, M.D., Ph.D., M.A., One time Professor Histology and Embryology, Fordham University, Director of the Williamsbridge Pathological, Bacteriological and Chemical Laboratories, 818 East 216th Street, New York, N. Y.  
"Prevention of Nervousness Among School Children."

J. BAYERTHAL, M.D., Worms, Germany. "The Prophylactic Measure of the School With Reference to Nervous and Mental Diseases." (To be read by title.)

S. ADOLPHUS KNOPF, M.D., 16 West 96th Street, New York, N. Y. "Some Fragmentary Notes on How to Preserve and Increase the Mental and Physical Vigor of Our School Children."

ELIZABETH FARRELL, B.S., Superintendent of Ungraded Classes, 500 Park Avenue, New York, N. Y. "The Place of the School in the Problem of Mental Deficiency."

HENRY HERBERT GODDARD, Ph.D., Director of Research, Training School, Vineland, N. J. "Who is Mentally Defective; How Many Are They; How Can They Be Detected."

LEWIS M. TERMAN, Professor of Education, Stanford University, Stanford, Cal. "The Significance of Mental Tests for School Hygiene."

JOHN J. CRONIN, M.D., Assistant Director Child Hygiene, Department of Health, 315 West 55th Street, New York, N. Y. "Applied Therapeutics to the So-called Mentally Deficient Children."

WALTER S. CORNELL, M.D., Director of Medical Inspection, Public Schools, Chief, Medical Staff, Philadelphia House of Detention, Instructor Anatomy and Lecturer Child Hygiene, University of Pennsylvania, Philadelphia, Pa. "The Medical Inspector and Feeble-Mindedness; What Can Be Done, What Should Be Done, and What Is Being Done."

THEODORE E. TOEPEL, M.D., Supervisor of Physical Training and Hygiene, Atlanta, Ga. "The Backward Child."

GROVER W. WENDE, M.D., Buffalo, N. Y. "Hereditary Syphilis and the Repeater."

- HELEN MACMURCHY, M.D., Toronto, Can. "Can the Mentally Defective Child Be Educated in the Public School?"
- GRACE BÖHNE, Child Study Laboratory Director, Public Schools, Rochester, N. Y. "The Relation of the Special Class in the Public School to the Community."
- ARNOLD L. GESELL, Ph.D., Assistant Professor of Education, Yale University, New Haven, Conn. "The University in Relation to the Problem of Mental Deficiency."
- J. E. WALLACE WALLIN, B.A., M.A., Ph.D., Director Psychological Clinic, School of Education, University of Pittsburgh, Pa., Pittsburgh, Pa. "The Distinctive Contribution of the Psycho-Educational Clinic to the School Hygiene Movement."
- BIRD T. BALDWIN, M.D., Professor Psychology and Education, Swarthmore College, Swarthmore, Pa. "The Problem of the Defective Child in Rural Schools."
- ELMER E. JONES, Ph.D., Professor Philosophy of Education, University of Indiana, Bloomington, Ind. "The School's Responsibility for the Delinquent Girl."
- E. STAGG WHITIN, Ph.D., Chairman of Executive Committee on Prison Labor, Columbia University, New York, N. Y. "Hygiene of Crime."

*Session Nine—Room A. Thursday, August 28th, 9:00 A.M.*

### PLAY AND ATHLETICS

- JOSEPH LEE, A.B., A.M., LL.B., President of Playground and Recreation Association of America, Boston, Mass. "The Spiritual Sources of Health."
- ERNST HERMANN, Superintendent of Playgrounds, School for Social Workers, Boston, Mass. "The Hygienic and Educational Value of Play in the Schools."
- JOSEPH H. BARACH, M.D., Consultant in Special Diagnosis, Carnegie Institute of Technology, Pittsburgh, Pa. "Against Over-Athleticism."
- J. W. KIME, M.D., Superintendent of Boulder Lodge Sanitorium, Fort Dodge, Iowa. "School Athletics."

CHAS. F. STOKES, Surgeon General, Chief of Bureau of Medicine and Surgery, Washington, D. C. "Relation of Athletics to Health." (To be read by title.)

EDGAR L. RAUB, Sub-master John A. Andrew School, Boston, Mass. "Athletics for Elementary School Boys."

*Session Ten—Room B. Friday, August 29th, 2:00 P.M., and Saturday, August 30th, 9:00 A.M.*

### SCHOOL HYGIENE IN RELATION TO THE HOME AND THE COMMUNITY

G. STANLEY HALL, Ph.D., LL.D., President Clark University, Professor of Physiology, Worcester, Mass. "The Hygiene of Prepubertal Sex Life."

W. H. HECK, M.A., Professor of Education, University of Virginia, Charlottesville, Va. "Parents' Part in School Hygiene."

LEWIS M. TERMAN, Associate Professor of Education, Stanford University, Stanford, Cal. "The Relation of Sleep to Age; Intelligence and School Success; Based on a Study of the Sleep Habits of Three Thousand School Children."

SIR JAMES GRANT, M.D., Ottawa, Can. "School Hygiene and Child Life."

B. LIBER, M.D., 272 East 10th Street, New York City. "The Influence of School Hygiene Upon the Home Hygiene."

ISABEL F. MYAMS, Dorchester, Mass. "The Teaching of Hygiene in Relation to the Home."

GEORGE H. LANDGRAF, B.L., City Superintendent of Schools, Marinette, Wis. "Community Effects of School Hygiene."

MAUD BENJAMIN, Commissioner of Schools, Livingston County, Flowerville, Mich. "Community Hygiene."

L. T. ROYSTER, M.D., Member of School Board, State Board of Health, Norfolk, Va. "The School Child and Its Relation to Eugenics."

CHARLES W. HARGITT, Ph.D., Sc.D., Professor of Zoology, Syracuse University, Syracuse, N. Y. "Vital Statistics in Relation to School Hygiene."

- FRANKLIN C. GRAM, M.D., Board of Health Commissioner, Buffalo, N. Y. "The School and Vital Statistics."
- FREDERICK L. HOFFMAN, LL.D., Statistician, Prudential Life Insurance Company of America, Newark, N. J. "Vital Statistics of School Children." (To be read by title.)
- W. S. LEATHERS, Jackson, Miss. "Economic Aspects of Hook-worm Disease."
- IRA S. WILE, A.B., M.S., M.D., Member of the Board of Education, 230 West 97th Street, New York City. "Medical Inspection in the Schools as a Community Investment."
- G. STANLEY HALL, Ph.D., LL.D., President of Clark University, Professor of Psychology, Worcester, Mass. "The Hygiene of the Appetite and the Environment of Eating."
- M. C. SCHUYTEN, M.D., Director of Pædological Service and Pædological Laboratory of the New College, Brussels, President of the International Committee of the International Congresses on Pædology, Antwerp, Belgium. "The Co-efficient of Nutrition of the Antwerp School Children."
- ELIZABETH BURCHENAL, Girls' Branch Public School Athletic League, New York. "How Shall School Girls Be Provided in a Crowded City With Wholesome, Normal, Recreative Activities After School."

*Session Eleven—Room C. Wednesday, August 28th,  
9:00 A.M.*

**SYMPOSIUM ON "MENTAL HYGIENE"**

Arranged by the National Committee on Mental Hygiene

MR. EVERETT S. ELWOOD, *Assistant Secretary.*

*Session Twelve—Room B. Friday, August 29th, 9:00 A.M.*

**CONFERENCE ON THE "BINET SIMON SCALE"**

Arranged by LEWIS M. TERMAN, Associate Professor of Education, Stanford University, Stanford, Cal.

## SECTION III

### Medical, Hygienic and Sanitary Supervision in Schools

*Session Thirteen—Room C. Friday, August 29th, 9:00 A.M.  
and 2:00 P.M., and Saturday, August 30th, 9:00 A.M.*

#### MEDICAL INSPECTION

LEO DUFESTEL, M.D., Secretary-General of the Third International Congress on School Hygiene, Paris, France. "The Organization of Medical Inspection in the Schools of Paris."

M. CACACE, M.D., Professor of Pediatry, Royal University of Naples, Naples, Italy. "Status of Medical Inspection in Italy."

M. K. HAOKONSON-HANSEN, Head Master in the Common Schools, Trondhjem, Trondhjem, Norway. "School Physicians in Norway."

Roy K. FLANNAGAN, M.D., Director of Inspections, State Board of Health, Richmond, Va. "Medical Inspection of White and Colored Rural Primary Schools in a Virginia County."

GEORGE W. GOLER, M.D., Health Officer, Rochester, N. Y. "Our Plan of Medical School Inspection in the City of Rochester."

JAMES STEWART, M.D., Supervisor of Hygiene, Board of Education, St. Louis, Mo. "Methods of Inspecting Children in St. Louis Public Schools."

DAVID SNEDDEN, Ph.D., Massachusetts Commissioner of Education, Boston, Mass. "Compulsory Medical Inspection of Schools in Massachusetts from the Administrative Standpoint."

DR. WM. HANSON, M.D., Assistant to the Secretary, Massachusetts State Board of Health. "The Correlation of the Assistant of the School Physicians and Local and State Health Officials."

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NOTE.—Corrections should be addressed to THOMAS A. STOREY, Secretary-General, Fourth International Congress on School Hygiene, College of the City of New York, New York City.

## MEDICAL INSPECTION—NECESSITY, STANDARDIZATION, RESULTS, CONTROL

- LOUIS W. RAPEER, Department of Education and Psychology, New York Training School for Teachers, 416 West 122d Street, New York City. "The Relation of Illness Absence to School Progress. A Statistical Investigation."
- DE LANCEY ROCHESTER, M.D., Associate Professor Principles and Practice of Medicine, Buffalo University, Buffalo, N. Y. "The Importance of Thorough Medical Inspection of School Children."
- FRANK ALLPORT, M.D., Chicago, Ill. "Necessity of Standardization and Universal Adoption of Medical School Inspection in the United States."
- GEORGE M. CASE, M.D., Elmira, N. Y. "The Benefits to be Derived from the Medical Inspection of Schools."
- WILLIAM J. GALLIVAN, M.D., Division of Child Hygiene, Department of Health, Boston, Mass. "Standardization of Medical Inspection."
- WILLIAM HOWE, B.S., Deputy Commissioner of Health, Albany, N. Y. "Report of and Conclusions Deduced from Medical Inspection of School Children in the State of New York."
- YASUSABURO SAKAKI, Department of Mental Hygiene, Fukuoka Imperial College, Tokio, Japan. "Results of Intelligent Examination for the Gradual Development According to Age and Classes."
- W. S. SMALL, A.B., A.M., Ph.D., Eastern District High School, Lecturer in Education, George Washington University, Washington, D. C. "Some Results of Systematic Examination of High School Pupils."
- DANIEL V. MCCLURE, M.D., Bureau of Child Hygiene, Buffalo, N. Y. "Examination of School Children for Labor Certificates."
- WILLIAM J. GALLIVAN, M.D., Division of Child Hygiene, Department of Health, Boston, Mass. "The Control of Medical Inspection in Schools."
- ELEANOR H. JOHNSON, Committee on Hygiene of School Children of the Public Education Association, 40 West 32d Street, New York City. "Medical Inspection as a Proper Function of School Boards."
- ARNOLD L. GESELL, Ph.D., Assistant Professor of Education, Yale University, New Haven, Conn. "Child Hygiene and Child Classification."

WALTER W. ROACH, M.D., Supervisor of School Medical Inspectors, Fourth and Fifth Districts, Philadelphia. "Vitalizing School Children."

### SCHOOL CLINICS AND SCHOOL NURSES

E. H. LEWINSKI-CORWIN, Executive Secretary of the Public Health Hospital and Budget Committee of the New York Academy of Medicine, Executive Secretary of the Associated Out-Patient Clinics, 17 West 43d Street, New York City. "The Practical Necessity of School Clinics."

WILLIAM J. GALLIVAN, M.D., Division of Child Hygiene, Department of Health, Boston, Mass. "School Clinics in Boston."

EDNA L. FOLEY, B.L., R.N., Superintendent of Visiting Nurse Association of Chicago, Chicago, Ill. "The Position of the School Nurse in the Public School System."

ROSE O'HARE, Chief School Nurse, Department of Health, Buffalo, N. Y. "School Nurse and Her Work."

*Session Fourteen—Room D. Monday, August 25th, 2:00 P.M.; Tuesday, August 26th, 9:00 A.M.; and Wednesday, August 27th, 9:00 A.M.*

### THE EXCITING AND THE CONTRIBUTORY CAUSES OF DISEASE IN SCHOOL CHILDREN

ARTHUR BEIK, Ped.M., Fellow Clark University, Worcester, Mass. "The Hygiene of the Child at the Period When School Life Begins."

MARY SUTTON MACY, M.D., Secretary of the Public Health Education Committee of the Medical Society of the County of New York, 101 West 80th Street, New York City. "Some Unusual Phases of Child Hygiene."

EDWIN O'JORDAN, Ph.D., Professor of Bacteriology, University of Chicago, Chicago, Ill. "Disease Carriers Among School Children."

EDWIN H. PLACE, M.D., Boston City Hospital, Boston, Mass. "The Relation of Scarlet Fever and Diphtheria to the School Session."

JOHN F. ANDERSON, M.D., Marine Hospital, Public Health Service, Washington, D. C. "The School Child as a Carrier of Measles."

- L. WHITTINGHAM GORHAM, M.D., Harvard Medical School, Boston, Mass. "School Child as a Carrier of Whooping Cough."
- HERBERT J. DONNELLY, M.D., Tuberculosis Inspector, Department of Health, Buffalo, N. Y. "Tuberculosis in School Children."
- JACOB SOBEL, M.D., Board of Health, Center and Walker Streets, New York City. "Pediculosis Among School Children."
- JOHN A. FERRELL, M.D., North Carolina State Board of Health, Hookworm Commission, Raleigh, N. C. "Intestinal Parasites—The Rural School a Factor in Spreading Their Infection."
- A. J. McLAUGHLIN, M.D., International Joint Commission, Surgeon, M. S. Public Health Service, Chief Sanitary Expert and Director of Field Work for the International Joint Commission, Wahsington, D. C. "The Influences of Water-borne Disease on the Mortality of Children."
- J. G. PARSONS, M.D., Sioux Falls, S. D. "Common Colds, a Menace to Public Schools and Public Health."
- ELLEN WALLACE, M.D., Manchester, N. H. "Prevention of Colds in Public Schools."
- WILLIAM G. BISSELL, M.D., Chief of the Bureau of Bacteriology, City Bacteriologist, Buffalo, N. Y. "The Control of Diphtheria in the Public Schools."
- ROBERT HESSLER, M.D., A.M., Chairman Committee on Restriction of Weeds and Diseases, Indiana Academy of Science, Logansport, Ind. "Dusty Air in the School Room."
- CHARLES V. CHAPIN, M.D., Superintendent of Health, Providence, R. I. "The Disinfection of School Rooms: Is It Necessary?"
- ARTHUR M. BUSWELL, A.M., Assistant in Sanitary Engineering, Columbia University, New York, N. Y. "Liquid Chlorine vs. Bleaching Powder as a Disinfectant for Swimming Pools."
- HOMER H. SEERLEY, B.Ph., M.A., LL.D., B.Di., President State Teachers' College, Cedar Falls, Iowa. "Hygiene of the Janitor."
- WALLACE HATCH, Rhode Island Anti-Tuberculosis Association, Providence, R. I. "A School Study from the Standpoint of Health."

- ROWLAND FREEMAN, M.D., A.B., Adjunct Professor of Pediatrism, University and Bellevue Hospital Medical School, 211 West 57th Street, New York City. "The Reduction of Infectious Risks in Schools."
- LEONARD NICE, M.D., Harvard Medical School, Boston, Mass. "The Disinfection of School Books."
- JAMES A. BABBITT, A.M., M.D., Professor Hygiene and Physical Education, Haverford College, Haverford, Pa. "The School Boy and His Mucous Membrane."
- B. ALEXANDER RANDALL, M.D., M.A., Ph.D., Professor of Otology, University of Pennsylvania, Ear Surgeon to University and Children's Hospital, Philadelphia, Pa. "A Free Nose the Essential for Preventing Adenoid Hypertrophy and Ear Disease."
- WILLIAM A. McKEEVER, Professor of Philosophy, Kansas State Agricultural College, Manhattan, Kan. "The Boy and the Tobacco Problem."
- E. DE WOLFE WALES, M.D., Indianapolis, Ind. "Prevention of Ear Troubles Among School Children."
- JESSIE H. BANCROFT, Assistant Physical Training Director, Board of Education, New York, N. Y. 164 Sterling Place, Brooklyn. "School Efficiency in Relation to the Posture of the Pupils."
- JOEL GOLDTHWAIT, M.D., B.S., Boston, Mass. "The Relation of Posture to the General Efficiency of the Human Being."
- MARCUS A. Dow, General Safety Agent for the New York Central Lines, New York Central Terminal, New York City. "Prevention of Accident as Relating to Child Welfare."

*Session Fifteen—Room D. Thursday, August 28th,  
9:00 A.M.*

#### CRIPPLED CHILDREN (ORTHOPEDIC)

- HILLS COLE, M.D., 1748 Broadway, New York City. "Weak Ankles, Flat Foot, and Spinal Curvature in School Children."

- JAMES WARREN SEVER, M.D., Junior Assistant Surgeon Children's Hospital, Surgeon House of the Good Samaritan, Boston, Mass. "School Desks and Chairs and Their Relation to the Occurrence of Scoliosis in School Children, with Special Consideration of the Furniture Used in the Schools of the United States."
- H. AUGUSTUS WILSON, M.D., Professor Orthopedic Surgery, Jefferson Medical College, Philadelphia, Pa. "The Influences of Spinal Curvature on the Health and Progress of School Children."
- ROWLAND O. MEISENBACH, M.D., Orthopedic Surgeon to the German Hospital and the Good Samaritan Dispensary, Buffalo, N. Y. "The Clothing and Shoeing of School Children; Their Effect on the Mental and Physical Efficiency of the Child from an Orthopedist's Point of View; Illustrated by X-Rays, Anatomic Models and Wearing Apparel."
- FULD, LEONARD, Ph.D., 130 East 110th Street, New York City. "Hygienic Dress for High School Girls."
- LLOYD T. BROWN, A.B., M.D., Assistant to Orthopedic Surgeon to Out-Patients, Massachusetts General Hospital, Assistant General Orthopedic Surgeon, Robert F. Brigham Hospital, Boston, Mass. "Occurrence of Weak Arches and Foot Strain Among Children and Methods of Examination."
- ROBERT S. OSGOOD, M.D., Assistant Visiting Orthopedic Surgeon to the Massachusetts General Hospital, Assistant Orthopedics, Harvard Medical School, Boston, Mass. "The Treatment of Foot Strain and Weak Arches Among School Children."
- ALBERT EHRENFRIED, M.D., Assistant Surgeon Boston City Hospital, Assistant Surgeon Consumptive's Hospital, Assistant in Surgery Harvard School of Medicine, Boston, Mass. "Disabilities of the Feet in Childhood."
- EVELYN GOLDSMITH, B.S., A.M., President Seaside Home for Crippled Children at Arverne, L. I., Honorary President and Founder of Association of Public School Teachers of Crippled Children, 1230 Amsterdam Avenue, New York City. "Crippled Children in the Public Schools."
- HILLS COLE, M.D., 1748 Broadway, New York City. "What Can Be Done to Minimize the Necessity for Special Provision for Crippled Children."

*Session Sixteen—Room C. Monday, August 25th, 2:00 P.M.,  
and Tuesday, August 26th, 9:00 A.M.*

### CONSERVATION OF VISION

F. PARK LEWIS, M.D., Buffalo, N. Y. "Mind Making Through Sight Saving."

SAMUEL D. RISLEY, A.M., Ph.D., M.D., Emeritus Professor Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, Attending Surgeon, Wills Hospital for Diseases of the Eye, Philadelphia, Pa. "The Vision of the School Child as an Important Factor in School Progress."

WILLIAM MARTIN RICHARDS, A.B., M.D., 229 West 97th Street, New York, N. Y. "The Influences of the Treatment of the Defects of Vision Upon the Health and Progress of School Children."

LEWIS C. WESSELS, M.D., Board of Health Ophthalmologist, Philadelphia, Pa. "Defective Vision in School Children from an Economic Standpoint."

MATHILDE GSTETTNER, M.D., Assistant Oculist Vienna Polyclinic High School, Secretary Austrian School Hygiene Association, Vienna, Austria. "Influence of Blackboards' Position on Lighting of Desks."

WM. H. BURNHAM, Ph.D., Professor Pedagogy and School Hygiene, Clark University, Worcester, Mass. "Standardization of School Books in Relationship to the Hygiene of Vision."

OTTO GRENNES, M.D., Christiana, Norway. "Hygienic Progress in Norwegian School Writing." (To be read by title.)

CLARKE FULKERSON, M.D., Medical Inspector of Schools, Kalamazoo, Mich. "Importance and Methods of Detection of Ocular Diseases of School Children."

J. HOLBROOK SHAW, M.D., School Physician, Plymouth, Mass. "Some Important Ocular Conditions Found in Backward Children, With a Report of Cases."

R. KAZ, M.D., Consulting and School Oculist, St. Petersburg, Russia. "Pretended Ocular Diseases in Schools."

- ANNA W. WILLIAMS, M.D., Board of Health, Assistant Director Division of Laboratories, Foot East 16th Street, New York, N. Y. "Prevalence of Trachoma in New York City Public Schools."
- ANNA I. VONSHOLLY, M.D., Board of Health, New York City, Foot East 16th Street, New York City. "Ophthalmia Schools for the Prevention of Trachoma and Other Infectious Eye Diseases."
- LUCIEN HOWE, M.D., Buffalo, N. Y. "The Prevention of Near-sightedness in Children by Means of Shoulderbraces and by Knapsacks for School Books."
- DR. RIGOBERT POSSEK, Professor of Ophthalmology, Graz, Austria. "Limits for Lighting in Schools."

*Session Seventeen—Room B. Thursday, August 28th,  
9:00 A.M.*

**SYMPOSIUM ON "HEALTH SUPERVISION OF  
UNIVERSITY STUDENTS"**

Organized by MAZYCK P. RAVENEL.

- MAZYCK P. RAVENEL, M.D., Professor of Bacteriology, Director of State Laboratory of Hygiene, University of Wisconsin, Madison, Wis. "Work of the University Committee on Hygiene at Wisconsin."
- PAUL PHILLIPS, M.D., Amherst College Professor of Hygiene and Physical Education, Amherst, Mass. "Hygiene at Amherst."
- H. E. ROBERTSON, A.B., M.D., Professor of Pathology and Bacteriology, University of Minnesota, Acting Head of College of Medicine and Surgery, Minneapolis, Minn. "Some Special Problems Confronting the Organization of a University Health Department."
- JOSEPH RAYCROFT, A.B., M.D., Professor of Hygiene and Physical Education, University of Princeton, Princeton, N. J. "Provisions for Safeguarding Student Health at Princeton University."
- MILTON G. ROSENAU, M.D., Professor Preventive Medicine, Harvard University, Cambridge, Mass. "Sanitary Safeguards for Students and Faculty at Harvard."

ALEXANDER C. ABBOTT, M.D., Professor and Director Laboratory of Hygiene, University of Pennsylvania, Professor Hygiene and Bacteriology, Philadelphia, Pa. "Safe-guarding the Health of University Students."

THOMAS ANDREW STOREY, M.D., Professor of Hygiene, College of the City of New York, New York, N. Y. "Protecting Student Health in the College of the City of New York."

McCASTLINE, WILLIAM H., M.D., University Physician Columbia University, New York, N. Y. "Health Work Among the Students at Columbia University."

## SECTION IV

### Symposiums Organized by Various National Societies

*Session Eighteen—Room E. Tuesday, August 26th, 9:00 A.M., 8:00 P.M. (Hall to be announced), and Wednesday, August 27th, 9:00 A.M.*

#### SYMPOSIUM ON "ORAL HYGIENE"

Arranged by the National Mouth Hygiene Association  
W. G. EBERSOLE, M.D., D.D.S., *Secretary,*  
Cleveland, Ohio.

- WILLIAM A. WHITE, M.D., Ex-President of the State Dental Society, Phelps, N. Y. "Oral Hygiene and Its Relation to the Growing Boy and Girl."
- D. E. JESSEN, M.D., International Commission on Mouth Hygiene, Strassburg, Germany. "Dental Hygiene and Dental Clinics in Schools." (To be read by title.)
- ALBIN LENHARTSON, Secretary of the Swedish National Mouth Hygiene Association. "The Chief Points of the Present Mouth Hygiene Work in Europe."

*Session Nineteen—Room D. Friday, August 29th, 9:00 A.M. and 2:00 P.M.*

#### SYMPOSIUM ON "SCHOOL FEEDING"

Arranged by the Committee on School Lunches of the American Home Economic Association, in Charge of the Social Service Department, Psychological Clinic, University of Pennsylvania  
MRS. LOUISE STEVENS BRYANT, *Secretary.*

LOUISE STEVENS BRYANT, University of Pennsylvania, Philadelphia, Pa. "History and Present Status of the School Feeding Movement."

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NOTE.—Corrections should be addressed to THOMAS A. STOREY, Secretary-General, Fourth International Congress on School Hygiene, College of the City of New York, New York City.

- ALICE C. BOUGHTON, Superintendent of School Lunches, Philadelphia, Pa. "The Administration of School Lunches in Cities."
- IRA S. WILE, A.B., M.S., M.D., Member of the Board of Education, 230 W. 97th Street, New York City. "Medical Inspection and Nutrition of School Children."
- MARY E. L. SMALL, Director of Domestic Science, Department of Public Instruction, Buffalo, N. Y. "The Educational and Social Possibilities of School Feeding."
- MABEL HYDE KITTREDGE, Chairman New York School Lunch Committee, Washington Square, New York City. "Relation of Menus to Standard Dietaries."
- MARY L. BULL, Department of Agriculture, University of Minnesota, St. Paul, Minn. "Warm Lunches in Rural Schools."

*Session Twenty—Room E. Wednesday, August 27th,  
2:00 P.M.*

#### SYMPOSIUM ON "SEX HYGIENE"

Arranged by the American Federation for Sex Hygiene

- DR. CHAS. W. ELIOT, *Chairman.* J. H. FOSTER, *Secretary.*
- THOMAS M. BALLJET, Ph.D., A.M., Dean School of Pedagogy, New York University, Waverly Place, New York City. "The Point of Attack in Sex Hygiene."
- CECIL REDDIE, B., Ph.D., B.Sc., Head Master of the New School, Abbottsholme, England. "The Need of Education in Sex." (To be read by title.)
- WINFIELD S. HALL, M.D., Northwestern University School, Chicago, Ill. "The Psychology of Youth and Its Relation to Instruction in Sex Hygiene." "Social Ethics in Relation to Child Conservation." (To be read by title.)
- RANDALL D. WARDEN, B.S., Director of Physical Training and Director of Public School Playgrounds, Newark, N. J. "Suggested Instruction on Sex Hygiene for High School Boys."
- MARTIN CHOTYEN, M.D., Breslau, Germany. "Sexual Education." (To be read by title.)

HON. PHILANDER P. CLAXTON, U. S. Commissioner of Education, Washington, D. C. "The Moral Side of Sex Relations."

REV. RICHARD H. TIERNEY, M.D., Woodstock College. Subject to be chosen later.

*Session Twenty-one—Room D. Wednesday, August 27th,  
2:00 P.M.*

**SYMPOSIUM ON "TUBERCULOSIS AMONG  
SCHOOL CHILDREN"**

Arranged by the Society for the Study and Prevention of Tuberculosis

LIVINGSTON FARRAND, M.D.

*Session Twenty-two—Room E. Friday, August 29th,  
9:00 A.M.*

**SYMPOSIUM, AMERICAN SCHOOL HYGIENE  
ASSOCIATION**

DR. D. L. EDSALL, *President.*

*Session Twenty-three—Room E. Monday, August 25th,  
2:00 P.M.*

**SYMPOSIUM, NATIONAL CHILD LABOR  
COMMITTEE**

Organized by OWEN R. LOVEJOY.

*Session Twenty-four—Room E. Friday, August 29th,  
2:00 P.M.*

**SYMPOSIUM, SOCIETY OF DIRECTORS OF  
PHYSICAL EDUCATION IN COLLEGES**

Organized by DR. PAUL PHILLIPS, *Secretary.*

PAUL PHILLIPS, M.D., Professor of Hygiene and Physical Education, Amherst College, Amherst, Mass. "Health Supervision at Amherst College."

*Session Twenty-five—Room E. Thursday, August 28th,  
9:00 A.M.*

## SYMPOSIUM, AMERICAN PHYSICAL EDUCATION ASSOCIATION

R. TAIT MCKENZIE, *President.*

- R. TAIT MCKENZIE, M.D., Professor Physical Education and Therapon, Director of the Department of Physical Education, University of Pennsylvania, Pa. Philadelphia, Pa. "The Wisdom of Health as Taught in a University."
- DUDLEY A. SARGENT, M.D., Director of Heminway Gymnasium, Harvard University, Cambridge, Mass. "Indirect Training."
- GEORGE L. MEYLAN, S.B., A.M., M.D., Associate Professor of Physical Education and Medical Director, Columbia University, New York, N. Y. "A Study of the Physical Defects of Five Hundred Students."

## PHYSICAL EDUCATION

- JAMES M. ANDERS, M.D., LL.D., Professor of Medicine and Clinical Medicine, Medico-Chirurgical College, Philadelphia, Officier de l'instruction Publique, Philadelphia, Pa. "Physical Education in the Public Schools."
- PAUL R. RADOSAVLJEVICH, Ph.D., Pd.D., Assistant Professor Experimental Pedagogy, New York University, New York, N. Y. "Physical Measurements of Gymnasium Pupils in Mostar, Hercegovina (Austria)."
- GORDON B. TROWBRIDGE, Assistant Director Physical Training, Boston Public Schools, Boston, Mass. "Physical Training in Public Schools."
- C. WARD CRAMPTON, M.D., Director of Physical Training, New York Public Schools, 500 Park Avenue, New York City. "Test of Condition and Its Use in School Hygiene."
- CLAUDESLEY BRERETON, M.D., London County Council, Hempstead, England. "Criteria of Physical Exercises in the Light of Education as a Whole."
- WILLIAM STECHER, B.S.G., Director of Physical Education Public Schools, Philadelphia, Pa. "Has School Gymnastics an Appreciable Effect Upon Health."
- CHARLES A. RANLETT, Instructor in Military Drill, Boston, Mass. "Military Drill in Public School."

## WOMAN'S CLUB SESSION

MRS. S. S. CROCKETT, *Chairman.*

### CONTRIBUTORS WHO HAVE NOT CHOSEN THE TITLES OF THEIR PAPERS

- S. JOSEPHINE BAKER, M.D., Director of the Division of Child Hygiene, 33 West 96th Street, New York City.
- GEORGE P. BARTH, B.S., M.D., Chief Medical Inspector of Schools, Milwaukee, Wis.
- EDWARD C. BRENNER, M.D., Department of Hygiene, College of the City of New York.
- CHAS. BOLDNAN, M.D., Visiting Surgeon to the Tuberculosis Preventorium for Children at Farmingdale, N. J.
- LEO BURGERSTEIN, M.D., Professor Royal University, Vienna, Austria.
- W. DAVIS, A.B., Pd.B., Head of Agriculture and College Botany, Iowa State Teachers' College, Cedar Falls, Ia.
- JULIUS DORTSAK, Ungrav, Hungary.
- THOMAS ENNETT, M.D., Ph.G., Medical Director of Public Schools, Richmond, Va.
- WILLIAM FOSTER, M.D., President of Reed College, Portland, Oregon.
- FRANCIS E. FRONCZAK, A.B., A.M., M.D., Health Commissioner of the City of Buffalo, Buffalo, N. Y.
- S. M. GUNN, Massachusetts Institute of Technology, Boston, Mass.
- THOMAS F. HARRINGTON, M.D., Department of School Hygiene, Boston, Mass.
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## SECTION V

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